



OUR DIGITAL TRANSFORMATION JOURNEY

Kinsale Community School

Gemma Cooper, MIEE Fellow, MCE

**Cert Matters Live
Annual Educators Conference**

ICT Initiatives

ICT Strategy

Whole School Approach

Inclusivity, Diversity & Positive Environment



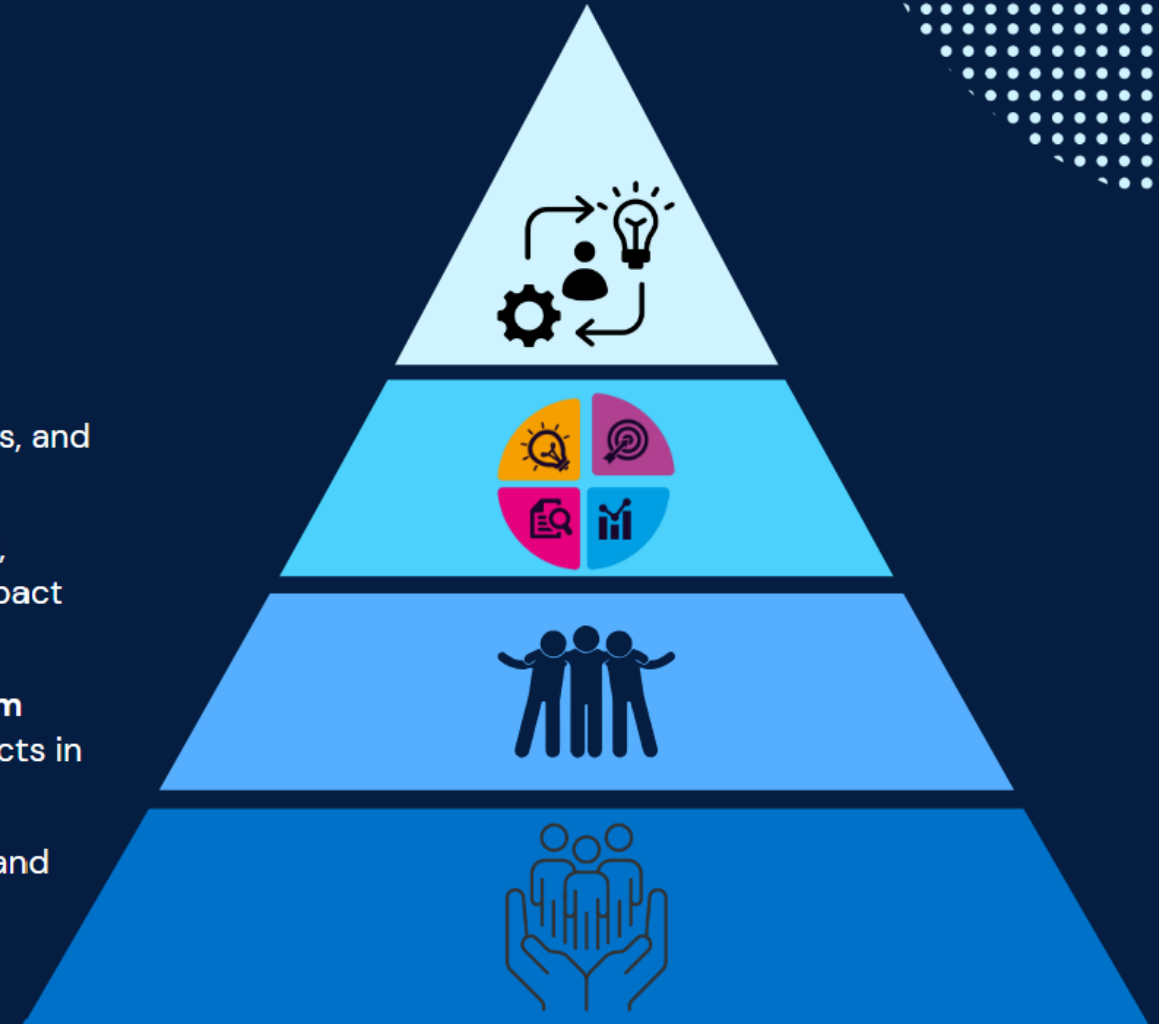
Visit Our Website:

www.kinsalecommunityschool.ie



KINSALE COMMUNITY SCHOOL

- 01 **ICT Initiatives** that enable students to develop software, hardware design and development skills, and that allows students to innovate
- 02 An **ICT strategy** established in terms of teaching, supporting teaching and student/community impact
- 03 A **whole-of-school approach**– an **ICT curriculum** developed for all students across all/many subjects in the school
- 04 ICT initiatives that promote inclusivity, diversity and positive environmental



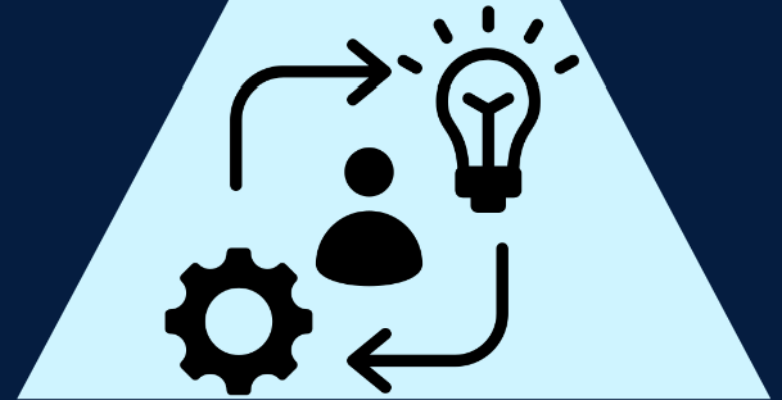


KINSALE COMMUNITY SCHOOL

01 | ICT Initiatives

that enable students to:

- Develop software
- Hardware design
- Development skills
- Innovate





INNOVATE



**Automated
Greenhouse**

**3D Printing
Faceshield for
Medics**

VEX Robotics
National
International
Mentoring

F1

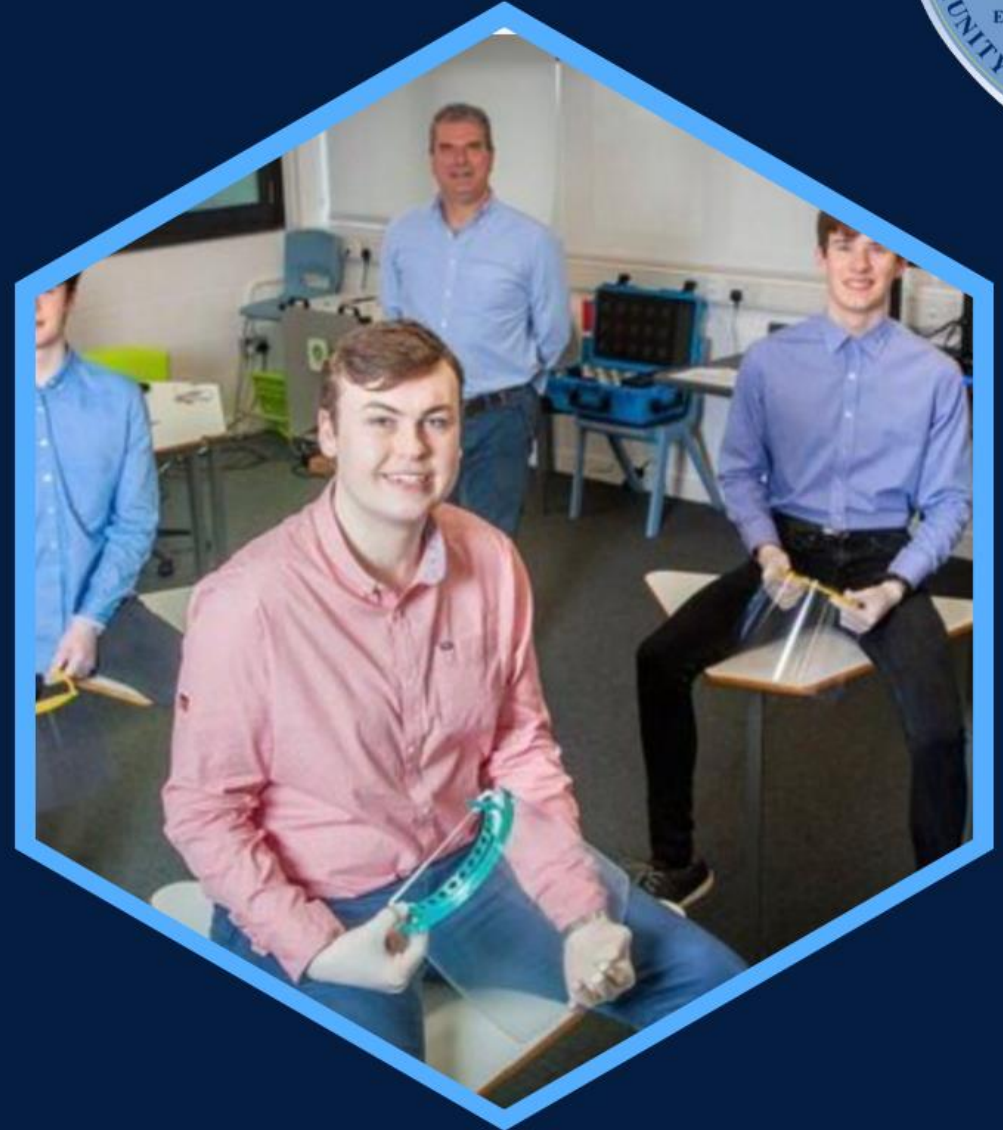
**STEM TY
Challenge**

**Local
Enterprise
Office**

BTYSE

**Voice of KCS
Podcast Studio**

Green Screen





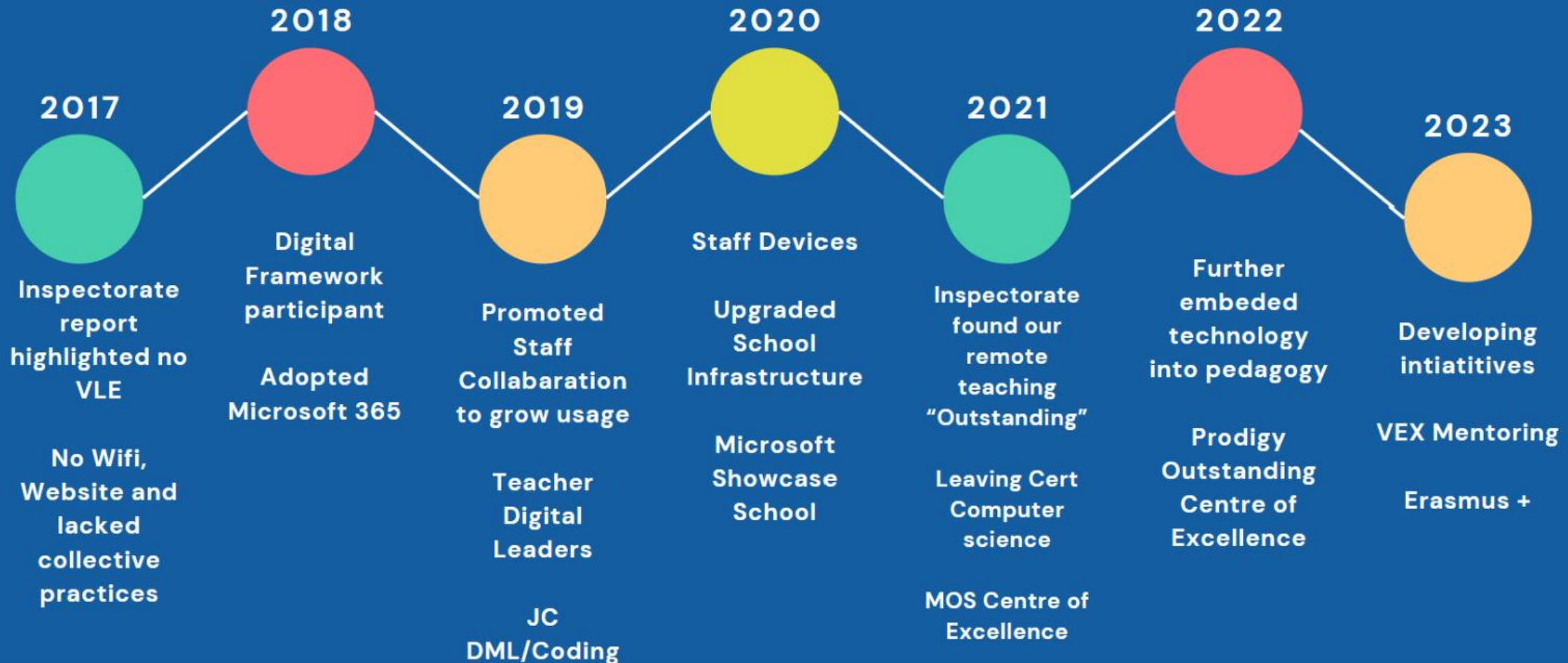
KINSALE COMMUNITY SCHOOL

02 ICT strategy

Teaching
Supporting teaching
Student impact
Community impact



KINSALE COMMUNITY SCHOOL DIGITAL TRANSFORMATION JOURNEY





ICT STRATEGY



Microsoft
Showcase
School

Féilte
Croí na Scoile

Virtual
Learning
Environment

Infrastructure

Digital Leaders
Teacher
Student

Curriculum

Certifications

Community
Support
Parents
Wider Community

Competitions





KCS ICT STRATEGY: TEACHING



Athena Tracker

Academic
Attainment



Compass

MIS



Office 365

VLE



Teams

Classes



Microsoft

Training



KCS ICT STRATEGY: TEACHER SUPPORT



Infrastructure

Investment



Digital Leaders

MIEEs



Féilte Scoile

Shared best
practice



Croí na Scoile

Teacher led
research



Microsoft Learn

Learning
Pathways



KCS ICT STRATEGY: TEACHER SUPPORT



The presentation on the laptop screen includes the following slides:

- Slide 1:** Kinsale Community School logo and a video of Andy Hargreaves.
- Slide 2:** Video of a man in a cap, the word "feilte" in blue script, and "Scoil" in red script.
- Slide 3:** **OneNote as your Class 'Whiteboard' within Teams.**
Purpose: Using OneNote to deliver and store your lessons. (Image of a hand drawing on a whiteboard).
- Slide 4:** **Students' perspective around their understanding of Blended Teaching and Learning; Flipgrid used for Student Voice and the enhancement of pedagogical practices.**
Purpose: Sharing insight into the pupil experience and hearing practical ways of improving learner experiences. (Image of a student at a computer).
- Slide 5:** **International Research around Effective Pedagogical Practice using Technology and tips to create the 'Social Classroom'**
Purpose: Hearing research to inform my practice so that the learning and teaching experience can be enhanced in the classroom. (Image of a soccer field).
- Slide 6:** **The Features of Digital Technology which can be used to provide Constructive Feedback to the Greatest Effect**
Purpose: To provide teachers with insight and guidance into the various forms of digital feedback, through a variety of mechanisms. (Image of a person at a computer).

KCS ICT STRATEGY: PLATFORMS



Gmetrix

DML



Compass

Microsoft Office
Specialist Word



Compass
Cloud

Remote



DreamSpace
Digital Academy

Python, Web
Design



Microsoft

Learn

KCS ICT STRATEGY: CERTIFICATIONS



IC3 Spark

DML



MOS

Microsoft Office
Specialist Word



MOS

Microsoft Office
Specialist
Powerpoint



Teams

Microsoft Office
Specialist
Excel



Microsoft

Azure
Fundamentals

KCS ICT STRATEGY: COMPETITIONS



MOS 4 Nations

Certiport



VEX

Robotics



BTYS

STEAM



Bebras

Computational
Thinking



Webwise

Internet Safety



COMPETITIONS



Bebras Computational Thinking Challenge, Safer Internet Day, BTYSE, Microsoft Specialist Champion, Microsoft Office Specialist Four Nations, Microsoft Imagine Cup AI, F1 in School, VEX Robotics, SSE Airtricity Microsoft Schools Sustainability Award, National Scratch Coding Competition, Webwise Safer Internet Day Awards

Bebras Challenge Winner 2023



Microsoft Office Excel Winner 2023



BTYS Winner 2023



KCS Student's are benefiting from ICT embedded across school Curriculum



KINSALE COMMUNITY SCHOOL

03 Whole-school approach



An **ICT curriculum** developed for all students across all subjects at Kinsale Community School





A WHOLE-OF-SCHOOL APPROACH



1st Yr DML

JC DML
JC Coding

Virtual
Learning
Environment

JC CBA's

Digital Leaders
Teacher
Student

LC Subjects

Computer Science
Technology
Physical Education
Tech Graphics
Metalwork
Woodwork

Shared Best
Practice

Infrastructure

Upskilling
Teachers
Students
Parents





BASICS

SOCIAL

1ST YR DIGITAL MEDIA LITERACY



All Class groups in 1st year

WEEK	Material to be covered in class
Week 1	Organise class lists. Seating plan. Housekeeping. List the Do's and Don'ts. Classroom rules identified; students create a charter for working in the computer room.
Week 2	Sign into Microsoft 365. Username: 23Firstnamelastname@kinsalecommunityschool.ie Password: Student2023 Students record these details in their journal.
Week 3	Navigating the keyboard functions. Understand the Hardware and Software of a computer
Week 4	Becoming familiar with Office 365
Week 5	Introduction to MS Teams. Joining Teams using a code.
Week 6	Completing assignments on MS Teams
Week 20	Social media accounts verses Microsoft office school account. Sharing content online the Do's and Don'ts
Week 25	List 5 advantages and 5 disadvantages of technology in our lives. Use bullet numbering to create your list.





2ND AND 3RD YR DML

3 Class groups in each year



CODING

SCRATCH,
HTML,
PYTHON

DML

STRAND 1: MY
DIGITAL WORLD
STRAND 2:
FOLLOWING MY
INTERESTS ONLINE
STRAND 3:
CHECKING THE
FACTS
STRAND 4:
PUBLISHING MYSELF

IC3 SPARK

NEW
CERTIFICATION



CBA

WORD:
REPORTS

POWERPOINT:
PRESENTATIONS

ONENOTE:
FEEDBACK

TEAMS:
RUBRICS





TY MICROSOFT OFFICE SPECIALIST CERTIFICATION



Structure

- Online Learning Platform
- Practice/LearnKey at home
- GMetrix: Online Lessons and Practice Exams
- Console: Official Examinations

Benefits

- International Computer Qualification
- Skills for LC
- Asset for CV



TY 1 Students with MOS Certificates



TY 2 students with MOS Certificates



TY 3 Students with MOS Certificates



TY 4 Students with MOS Certificates



Blended Learning with Microsoft



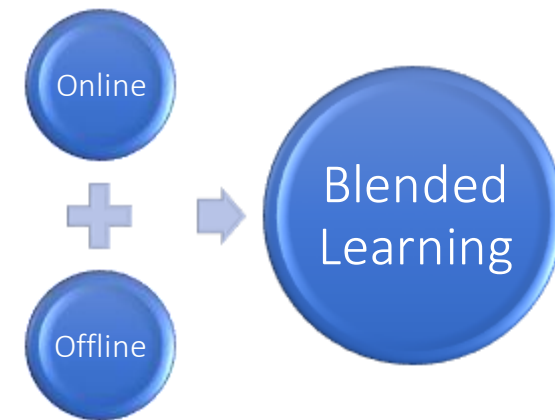
- At KCS, we utilise **Microsoft technology and educational pathways** to help students & educators **use the technology of today to prepare for future of tomorrow.**
- KCS taken blended learning approach using Microsoft training options to **put students on path to their certification journey.**
- Create digital learning environment for **self-directed acquisition of knowledge** outside of class allowing for meaningful discussion within.
- Shifting control over pace of learning to students

Blended Learning at KCS



'Blended learning' is term used to describe when a school, educator or student takes more than one approach to the learning process. It can be blending of different learning tools that can be digital and non-digital. (EU Commission)

Blended learning is a combination of **active, engaged learning both offline and online** to give students more control over the time, place, pace, and path of their learning.



Blended Learning at KCS

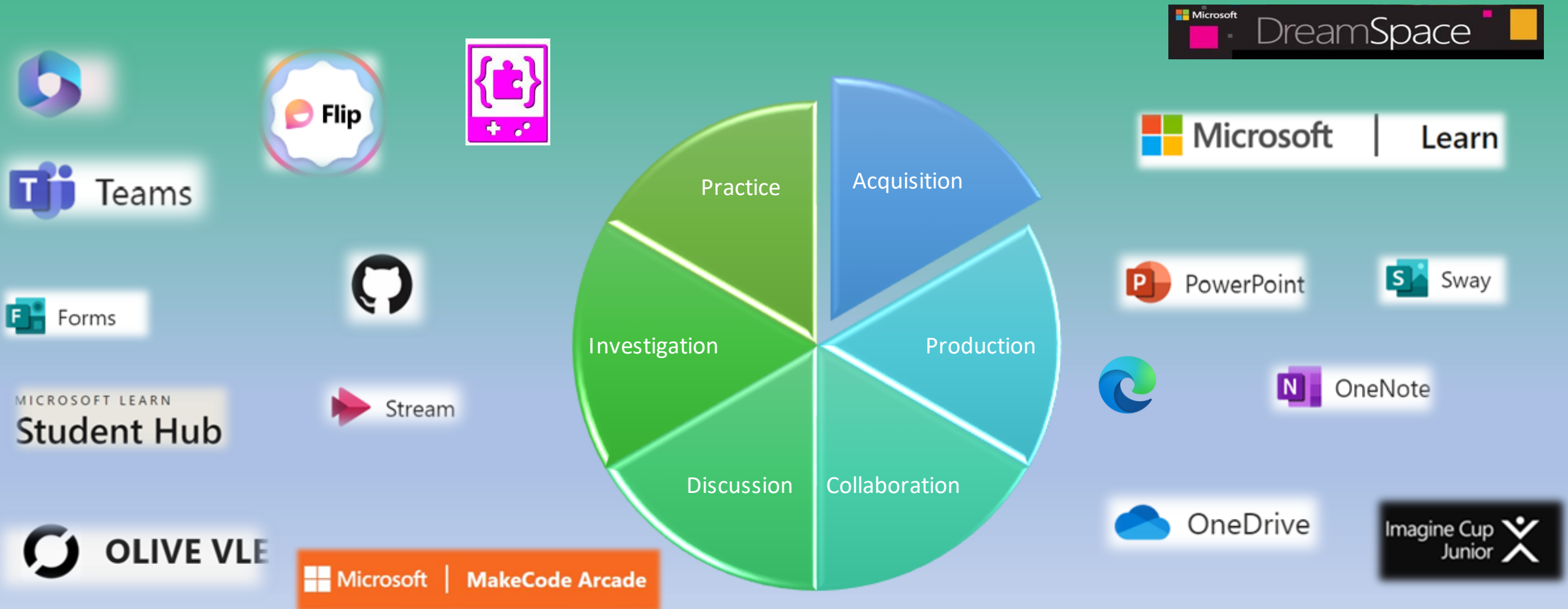


Blended approach towards Curriculum and Certification

- Giving **student agency** to make key decisions about their learning
- **Differentiating** more consistently and effectively
- Tools to help meet needs of every student - **Accessibility**
- Partnering with students to begin **personalised learning paths**

Unlock the full potential of every student

Microsoft Learning: KCS Blended Approach





Junior Cycle Curriculum

Short Course Digital Media Literacy

Apps



Outlook



OneDrive



Word



Excel



PowerPoint



OneNote



SharePoint



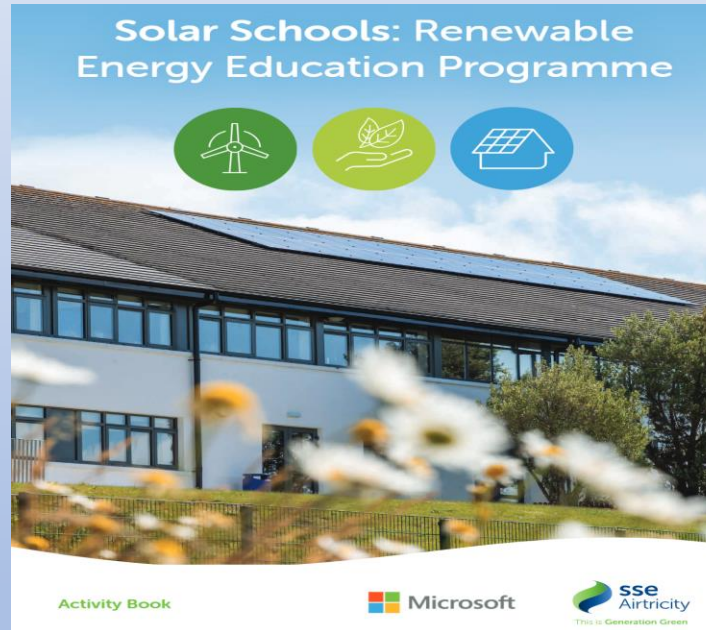
Teams



Sway



Forms



IC3 Spark Computing Fundamentals





Junior Cycle Curriculum

Short Course Coding

DreamSpace Teacher



Microsoft Learn



Student can develop practical skills through fun, interactive modules and paths.



Introduction to Programming

Learn about programming languages and the tools that developers use to create...



Python for Beginners

Learn the basics of python, including how to use Jupyter notebooks, create program...



Transition Year Programme

Microsoft Office Specialist Training

Gmetrix



Microsoft Office Specialist Certification





Transition Year Programme

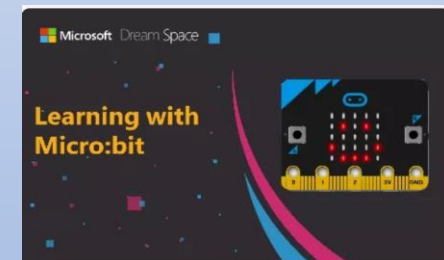
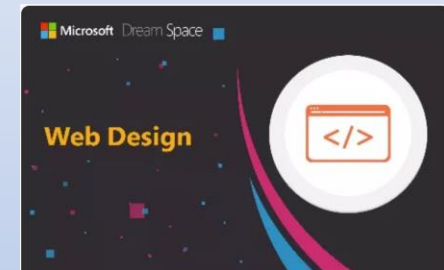
Computer Science Taster



Welcome to Dream Space Digital Academy

1 month ago · Kinsale Community School

Dream Space brings you your much loved STEM learning into a virtual learning environment - say hello to Dream Space Digital. Enjoy your favourite learning pathways at our own pace together with the DreamBot. Enjoy learning!





Transition Year Programme

Computer Science Taster



Microsoft

Imagine Cup
Junior



Vision

Computer Vision

Analyze content in images and video.

Custom Vision

Customize image recognition to fit your business needs.

Face

Detect and identify people and emotions in images.

Form Recognizer

Extract text, key-value pairs, and tables from documents.

Ink Recognizer

Recognize digital ink and handwriting, and pinpoint common shapes.

Video Indexer

Analyze the visual and audio channels of a video, and index its content.



Speech

Speech to Text

Transcribe audible speech into readable, searchable text.

Text to Speech

Convert text to lifelike speech for more natural interfaces.

Speech Translation

Integrate real-time speech translation into your apps.

Speaker Recognition

Identify and verify the people speaking based on audio.



Language

Immersive Reader

Help readers of all abilities comprehend text using audio and visual cues.

Language Understanding

Build natural language understanding into apps, bots, and IoT devices.

QnA Maker

Create a conversational question and answer layer over your data.

Text Analytics

Detect sentiment, key phrases, and named entities.

Translator

Detect and translate more than 60 supported languages.



Search

Bing

[Image, News, Video & Web Search](#)

Search across a wide range of terms.

Bing Custom Search

Create a custom search engine with ad-free results.

Bing Entity Search

Recognize and classify named entities, and find search results based on them.

Bing Spell Check

Help users identify and fix word breaks, slang, names, homonyms, and brands.



Decision

Anomaly Detector

Identify potential problems early on.

Content Moderator

Detect potentially offensive or unwanted content.

Metrics Advisor

Monitor metrics and diagnose issues.

Personalizer

Create rich, personalized experiences for every user.

Imagine Cup
Junior



AI for Earth



AI for
Cultural Heritage



AI for
Accessibility



AI for
Humanitarian Action



AI for Health



Azure

Students can create prototype of their concept, Microsoft Azure can be a platform for them to develop their concept using their favourite languages and create custom apps in Visual Studio.



Leaving Certificate Computer Science

Continuing the Journey

MICROSOFT LEARN

Student Hub

- **Determine which Fundamentals Certification is right for them to customize their learning journey** with up-to-date content developed by experts and a variety of resources.
 - Master new skills with a comprehensive collection of training options that empower them to learn in a style that fits them best.
- #ProudToBeCertified**



LEAVING CERTIFICATE
COMPUTER SCIENCE





Educator Journey

Continuing Journey with Microsoft Learn



Blending Certification with Curriculum

Our journey for the Future



- Combining of Synchronous and Asynchronous activities
- Teach students skills of problem-solving, critical thinking and effective communication
- Students can revisit information whenever they choose
- Class time can be used to engage in valuable discussions
- Using digital technologies to innovate teaching strategies
- Earning a Microsoft Certification is globally recognized evidence of real-world skills.
- Microsoft pathways and Certifications help students stand out, gain confidence, and validate student skills and abilities, while showcasing commitment to keeping pace with rapidly changing technology.

Empower every learner to achieve more



KINSALE COMMUNITY SCHOOL

04 ICT initiatives that promote

Inclusivity



Diversity



Positive
environmental



INCLUSION, DIVERSITY & ENVIRONMENTAL



Digital Tools

Global
Citizenship

Virtual
Learning
Environment

Learning
Accelerators

Rang Realta

Sustainable
Development
Goals

English
Additional
Language

Green Schools
Flag

Compass
Cloud





ICT INITIATIVES TO PROMOTE Inclusivity

Introducing Learning Accelerators

FOUNDATIONAL

Reading Fluency
Reading Progress & Reading Coach

Numeracy
Math Progress & Math Coach

Well-being
Microsoft Reflect

FUTURE-READY

Information Literacy
Search Progress & Search Coach

Presentation
Speaker Progress & Speaker Coach

Education Insights & Education Insights Premium
Data from Learning Accelerator tools are automatically available in Education Insights for a more holistic view of each student at the individual, class, grade, school and organizational level.

Reflect

A check-in app to support connection, expression, and learning

Build Social-Emotional Skills

I am feeling valued today.

awed calm cheerful comfortable confident content creative curious energized excited focused glad grateful happy included inspired motivated optimistic powerful purpose proud successful valued



feeling appreciated and important

Actionable insights

25/25 students have responded

100% left

100% left

100% left

100% left

100% left

100% left

100% left

100% left

100% left

100% left

100% left

100% left

100% left

100% left



Education

Microsoft for Accessibility

- Learning Accelerators

-Digital Toolkit

Hear text read aloud with Narrator

Translator

Dictation

Immersive Reader

Generate automatic captions and a transcript

Math Assistant

Reading Coach



Reading Progress



Reflect



Learning Accelerators tools designed to help educators **unlock full potential** of every student with tools that support foundational and future-ready skills, allowing educators to give individual students more opportunities to learn, practice, and receive targeted coaching instantly in **inclusive environment to support ongoing improvement**.

ICT INITIATIVES TO PROMOTE Inclusivity



Foundational Skills

Future-Ready Skills

Inclusivity



Microsoft 365 Education

Learning Accelerators

FOUNDATIONAL			FUTURE-READY		ANALYTICS
					
Reading Progress and Coach	Reflect	Math Progress and Coach	Search Progress and Coach	Speaker Progress and Coach	Education Insights

Instructional Tools

										
Teams for Education	Microsoft Word	Microsoft Excel	Microsoft PowerPoint	OneNote Class Notebook	Microsoft Forms	Microsoft Stream	Microsoft Whiteboard	Minecraft Education	Flip	Clipchamp

Accessibility Solutions

				
Immersive Reader	Translator	Narrator	Voice Typing	Live Captions





Thank You

for joining our
Digital Transformation Journey
at 
Kinsale Community School



Gemma Cooper



+353 21 4773174



gemmacooper@kinsalecommunityschool.ie



www.kinsalecommunityschool.ie

